Overview :

ELOCK EL-8PL, which is designed as a cable replacement solution to connect remote digital input signals to output signals over an IP network, provides 8 digital input channels, 8 digital output channels and a 10/100M Ethernet interface. Up to 8 pairs of digital input and output signals can be exchanged over Ethernet.

Over a local area network, the EL-8PL can achieve a low signal latency (typically less than 50 ms). With the EL-8PL, remote sensors can be connected to local controllers or display panels over copper, fiber, or wireless Ethernet infrastructures. Signals can be transmitted over virtually unlimited distances, without noise problems

Main Features :

- ✓ 8 ports digital input connection with pluggable terminal block
- ✓ 8 ports digital output connection with pluggable terminal block (Dry contact, NC/NO)
- ✓ Direct input to output signal communication over IP connection
- ✓ High speed peer to peer IO signaling within < 50ms
- ✓ Built in WEB server service for system configuration
- ✓ Built in realtime clock
- ✓ Built in on-board buzzer for audible notification
- ✓ High transient voltages protection on digital input points
- ✓ 1 megabyte on-board flash memory for data storages
- ✓ RS232/RS485/TCPIP network connection for host connectivity
- ✓ 12VDC 500mA Power Consumption
- ✓ Optional LCD + Keypad connection for offline configuration
- ✓ High quality relay with 3A power output
- ✓ LED indication for Power/Relay/Communication points

EL-8PL Specification :		
1	Micro Processor	16 bits MCU
2	Operating Voltage	VDC 9.0 ~ VDC 14.0
3	Operating Currents	500mA
4	Operating Temperature	60^{0}C
5	Operating Humidity	95% Non Condensing
6	Operating Frequency	24MHz
7	Flash Memory	8MB Flash Memory, 512KB RAM
8	Communication Port	TCP/IP Ethernet Port x 1 RS485 Terminal x 3 RS232 Terminal x 2
9	Communication Link	RS232, RS485 or TCP/IP
10	Timer & Clock	Onboard Battery Backup Real Time Clock
11	Audible	Onboard 12Vdc Magnetic Buzzer
12	Output Point	8 Units 3A Relay Contact (NC/NO/COM)
13	Input Point	8 Units of TTL Inputs
14	Terminal Clock	Pluggable Connector Block
15	Input Point Protection	15KVA Surges Protection
16	Serial Port Protection	Embedded With Resettable Fused TVS On Communication Circuitry
17	Status Indication	LED Indication for Power/Relay/Communication Points
18	Watchdog Reset	Equipped with Internal and External Watchdog Reset Circuitry
19	Power On Reset	Equipped With 4.7Vdc Triggering Threshold Voltage Level
20	PCB Dimension	155 mm (W) x 95 mm (H)
21	Net-Speed	Ethernet 10/100Mbps (IEEE 802.3 Compliant)

Ordering Information :	
EL-2000	AxSys - Access Control Board
EL-2000L	AxSys - Lift Access Control Board Only (5th Floor Control)
EL-2100L	AxSys - Lift Access Control Board Only (64th Floor Control)
IP200	Elock IP200 Serial to Ethernet Device (Built-In Type)
EL-8PL	8 ports - lift interface module w/o PSU & Casing (use with EL-2100L)
EL-TCPIP-100	MOXA Network Interface Unit (Serial Device Server) c/w Power Adaptor

Lift Access Control System Wiring Diagram